

538,294

Rec'd PCT/PTO 10 JUN 2005

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number  
**WO 2004/056627 A1**

(51) International Patent Classification<sup>7</sup>: B60S 1/52, B05B 1/04

B60S 1/52,

(74) Agent: SUGRAÑES - VERDONCES - FERREGÜELA; 304, Calle Provenza, E-08008 Barcelona (ES).

(21) International Application Number:

PCT/EP2003/013301

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:

26 November 2003 (26.11.2003)

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

P 200202937 20 December 2002 (20.12.2002) ES

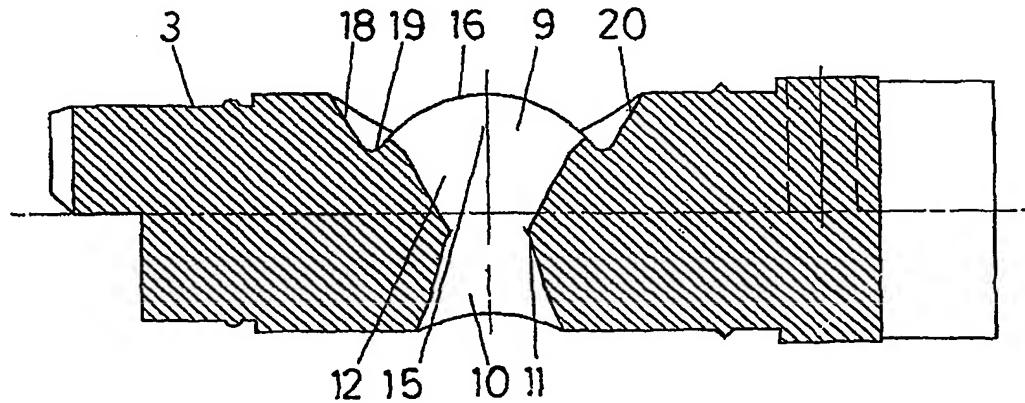
(71) Applicant (*for all designated States except US*): FICO TRANSPAR, S.A. [ES/ES]; 98, Gran Via Carlos III, E-08028 Barcelona (ES).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

*[Continued on next page]*

(54) Title: WASHER FLUID SQUIRT DEVICE FOR MOTOR VEHICLE WINDSCREEN WASHER JETS



WO 2004/056627 A1

(57) Abstract: The device is comprised of a jet body (2) and a body for a fan-shaped squirt (3) which can be mutually coupled. The squirt body (3) has a squirming orifice (9) which comprises four consecutively connected portions, of which, in the washer fluid flow direction, the first portion (10) is conical and in decreasing section; the second portion (11) forms a spherical cap in decreasing section; the third portion (12) is in rectangular cross-section and in increasing section; and the fourth portion (15) is in rectangular cross-section in decreasing section in said flow direction and configures a convex outlet edge (16), which is surrounded by an outer lateral squirming groove